REMARKS

Reconsideration of the present application, as amended, is respectfully

requested. Claims 1-22 remain in the application. Claims 1, 10, 15, and 22 have been

amended. New claims 23 and 24 have been added. Thus, claims 1-24 are presented

for examination.

Examiner rejected claims 1-2, 4-6, 10, 14-16, 17, and 22 under 35 U.S.C.

§102(b) as being unpatentable over U.S. Patent No. 5,894,506 to Pinter. Pinter

describes a paging system, in which the user can select from a list of "canned

messages," which are selected by a code. Thus, for example, a short ASCII code may

be used to transmit the message "I am on my way home." In order to send this

message, the user initiating the message must known which "canned messages" are

available, and must select the appropriate code to include the selected canned

message. Thus, an individual human must construct a proper message, including the

codes. Pinter does not teach or suggest the automatic substitution of codes, to replace

text, images, etc. Furthermore, Pinter does not send data to a device in response to a

request by the device. Rather, Pinter has a pager or similar device, to which a message

is sent by a second party.

Claim 1, as amended, on the other hand, recites:

> A method of using a storage module in a device comprising:
> receiving data in response to a request sent by the device;
> identifying an automatically substituted code in the data;
> replacing the code in the data with corresponding terms in
> the storage module, prior to displaying the data.

(Claim 1, as amended). As noted above, Pinter does not teach or suggest receiving data in response to a request. Rather, Pinter discusses a paging system, in which a user sends a message, which is then received. The device itself sends no requests. Furthermore, Pinter does not teach or suggest identifying an automatically inserted code in the data. Rather, Pinter teaches a system in which a first user selects a code, enters it, and the second user receives the code, which is decoded. Pinter's system does not teach or suggest the <u>automatic</u> substitution of a code for a particular term or data element. Therefore, claim 1, and claims 2-9 which depend on it, are not anticipated by or obvious over Pinter.

Claim 10, as amended, recites:

> A service provider for providing data to a device via a low bandwidth connection, the service provider comprising:
> a database including a plurality of codes and associated terms;
> a formatting logic to retrieve the data in response to a request from the device;
> a substitution logic to automatically replace a term in the data with a code; and
> a transmission logic to transmit the data including the code to the device.

(Claim 10, as amended). Pinter does not teach or suggest a formatting logic to retrieve data in response to a request from the device, nor does Pinter teach or suggest a substitution logic to automatically replace a term in the data with a code. Rather, Pinter receives a code from a first user, to transmit to a second user. Furthermore, Pinter does not do any automatic substitution to replace a term with a code. Rather, Pinter receives the code directly from the first user, for transmission to the second user.

Therefore, claim 10, and claims 11-14 which depend on it, are not anticipated by or

obvious over Pinter.

Claim 15, as amended, recites:

> A portable device comprising:
> a low bandwidth connection to a network to receive
> formatted Web content in response to a request;
> a storage module including a plurality of codes and
> associated data;
> a substitution logic for detecting the codes in the formatted
> Web content and substituting the associated data for each of the
> codes;
> such that the bandwidth of data transferred over the low
> bandwidth connection is reduced by transmitting the codes instead
> of the associated data.

(Claim 15, as amended). Pinter does not teach or suggest receiving formatted

Web content in response to a request. Rather, Pinter receives a code from a first user,

and retransmits it to a second user. Pinter's system cannot be used for Web content,

nor does the system Pinter describe send requests. Therefore, claim 15, and claims

16-21 which depend on it, are not anticipated by or obvious over Pinter.

Claim 22, as amended, recites:

> A system comprising:
> a first device having a low bandwidth connection to a
> network, the first device including a storage module;
> a second device for preparing data for display on the first
> device;
> the second device including a copy of data on the storage
> module, the second device automatically replacing a data element
> sent to the first device with a code, if the data element is in the
> storage module;
> whereby the bandwidth used for transmitting the data to the
> first device is reduced.

(Claim 22, as amended). As noted above, Pinter does not teach or suggest automatically replacing data elements with codes, if the data elements are present in the storage module. Rather, Pinter requires that a human select the codes to be sent. Therefore, claim 22 is not anticipated by or obvious over Pinter.

Examiner rejected claims 7, 18, and 19 under 35 U.S.C. §103(a) as being obvious over Pinter further in view of U.S. Patent No.5,448,765 to Kovanen et al. (Kovanen). Kovanen discusses a radio telephone, in which a removable memory stores the radio subscriber data and system-specific control parameters of the system. Kovanen does not teach or suggest a system that requests data, and substitutes codes. However, Kovanen does not remedy the shortcomings of Pinter. Kovanen does not teach or suggest the automatic substitution of codes for data elements, nor does Kovanen teach or suggest the retrieval of Web content. Therefore, the claims are not anticipated by Pinter in view of Kovanen.

Examiner rejected claims 8, 9, 11-13, 20, and 21 under 35 U.S.C. §103(a) as being obvious over Pinter further in view of U.S. Patent No.6,405,060 to Schroeder et al. (Schroeder). Schroeder discusses an improved user interface for a cellular phone, including predictive capabilities, to speed up data input by using word completion. However, Schroeder does not cure the shortcomings of Pinter. Schroeder does not teach or suggest the automatic substitution of codes to replace data elements. Therefore, the claims are not obvious over Pinter in view of Schroeder.
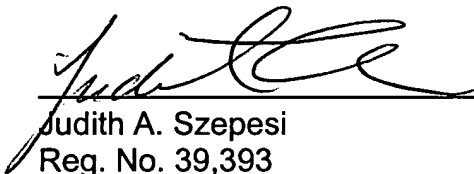
Applicant respectfully submits that in view of the amendments and discussion set forth herein, the applicable rejections have been overcome. Accordingly, the present and amended claims should be found to be in condition for allowance.

If a telephone interview would expedite the prosecution of this application, the Examiner is invited to contact Judith Szepesi at (408) 720-8300.

If there are any additional charges/credits, please charge/credit our deposit account no. 02-2666.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 12/27/02

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VERSION WITH MARKINGS TO SHOW CHANGES

IN THE CLAIMS

1.   (Once Amended) A method of using a storage module in a device comprising:

receiving data [in the device] in response to a request sent by the device;

identifying an automatically substituted code in the data;

replacing the code in the data with corresponding terms in the storage module,

prior to displaying the data.

10.   (Once Amended) A service provider for providing data to a device via a low bandwidth connection, the service provider comprising:

a database including a plurality of codes and associated terms;

a formatting logic to retrieve the data in response to a request from the device;

a substitution logic to automatically replace a term in the data with a code; and

a transmission logic to transmit the data including the code to the device.

15.   (Once Amended) A portable device comprising:

a low bandwidth connection to a network to receive [data] formatted Web content in response to a request;

a storage module including a plurality of codes and associated data;

a substitution logic for detecting the codes in the [received data] formatted Web content and substituting the associated data for each of the codes;

such that the bandwidth of data transferred over the low bandwidth connection is reduced by transmitting the codes instead of the associated data.

22.   (Once Amended) A system comprising:

a first device having a low bandwidth connection to a network, the first device including a storage module;

a second device for preparing data for display on the first device;

the second device including a copy of data on the storage module, the second device <u>automatically</u> replacing <u>a</u> data <u>element</u> sent to the first device with <u>a</u> code[s], if the data <u>element</u> is in the storage module;

whereby the bandwidth used for transmitting the data to the first device is

reduced.